

Serial Number: 09/553693

Changed a file from non-ASCII to ASCII

Changed the margins in cases where the sequence text was "wrapped" down to the next line

Edited a format error in the Current Application Data section, specifically:

Edited the Current Application Data section with the actual current number. The number input applicant was the prior application data; or other _____

Added the mandatory heading and subheadings for "Current Application Data".

Edited the "Number of Sequences" field. The applicant spelled out a number instead of using

Changed the spelling of a mandatory field (the headings or subheadings), specifically:

Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

Corrected subheading placement. All responses must be on the same line as each subheading applicant placed a response below the subheading, ~~this was moved to its appropriate place.~~

Inserted colons after headings/subheadings. Headings edited included:

Deleted extra, invalid, headings used by an applicant, specifically:

Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename; page numbers throughout text; other invalid text, such as _____

Inserted mandatory headings, specifically:

Corrected an obvious error in the response, specifically:

Edited identifiers where upper case is used but lower case is required, or vice versa.

Corrected an error in the Number of Sequences field, specifically:

A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length" field according to a PatentIn bug). Sequences corrected:

Other:

Examiner: The above corrections must be communicated to the applicant in the first Action. DO NOT send a copy of this form.

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/883,093

DATE: 11/16/2001
TIME: 10:10:12

Input Set : N:\jumbos\R-126.raw
Output Set: N:\CRF3\11162001\I883093.raw

4 <110> APPLICANT: Guenther, Catherine
5 Brennan, Thomas J.
7 <120> TITLE OF INVENTION: TRANSGENIC MICE CONTAINING NUCLEAR
8 HORMONE RECEPTOR GENE DISRUPTIONS
11 <130> FILE REFERENCE: R-126
13 <140> CURRENT APPLICATION NUMBER: US 09/883,093
14 <141> CURRENT FILING DATE: 2001-06-14
16 <150> PRIOR APPLICATION NUMBER: US 60/252,300
17 <151> PRIOR FILING DATE: 2000-11-20
19 <150> PRIOR APPLICATION NUMBER: US 60/223,464
20 <151> PRIOR FILING DATE: 2000-08-07
22 <150> PRIOR APPLICATION NUMBER: US 60/211,885
23 <151> PRIOR FILING DATE: 2000-06-14
25 <160> NUMBER OF SEQ ID NOS: 4
27 <170> SOFTWARE: FastSEQ for Windows Version 4.0
29 <210> SEQ ID NO: 1
30 <211> LENGTH: 1332
31 <212> TYPE: DNA
32 <213> ORGANISM: Mus musculus
34 <400> SEQUENCE: 1
35 ccctcgacct cgagatccat tggctctaa agcagagtct gggcctacc tacatatggc 60
36 accgaggata cctagaggcc ccatgcaaga gaaggccctt qttttccagg cactgaggac 120
37 cgcagtcctt aattcctggc agttccttag atctcaagga aagcagggtc agcgaggagg 180
38 cctggggaga ggaggcatcc tacacccaaat cttgtggct gtcctaaag ggaaacagga 240
39 gaccatgaaa gctatqctaa cactagaaac catgcccagt gaagaagaat atggccgag 300
40 gaactgtgtg gtgtgtggag accqqqccac aggctatcat tccacgcggc tgacttgta 360
41 gggctgcaag ggcttcttca gacgaacagt cagaaaaacc attggccca tttgtccgtt 420
42 tgctgaaagg tggatgtca gcaaggccca gagacgcccac tggccagcct gcaggttgca 480
43 gaagtgtcta aatgttggca tgaggaaaga catgatactg tcagcagaag ccctggcatt 540
44 gccccgagcc agacaggcac agcggcgccc agagaaagca tctttcaac tgaatcagca 600
45 gcagaaagaa ctggccaga tccctctggg ggcccacact cgccatgtgg gcccattgtt 660
46 tgaccagttt gtgcagttca agcctccacgctatgttc atgcattacc ggcctttcca 720
47 gcctcggggc cccgtgttc ctctgtcac acactttca gatataaca cgtttatgtt 780
48 gcaacagatc atcaagttca ccaaggatct gcccgttcc cggccatctaa ccatggagga 840
49 ccagatctcc cttctcaagg gagcggctgt ggaaatattt cttatctcac tcaacactac 900
50 gttctgtttt caaacagaga atttcttctt tggcccttt tgctacaaga tggaggacgc 960
51 agtccatgca gggttccagt acgagttttt ggatgtcgtc ctccacttcc ataaaaaccc 1020
52 gaaaggactg catctccagg agcctgagta tggctcatg gtcgtccacgg cccttcttc 1080
53 ccctggtttc tggatgtcaaa gctgtatggc ctgtgtgtt acctccggag tataaacaat 1140
54 gcataacttcc atgaacttca ggcgttggag gaaactgtctt cttatgacgcc gctgtcgcc 1200
55 gagatttgca gttgaggccc aggcttgcatt ctttccca gaccccccagg gatacactgg 1260
56 cctggaaagg gtacagcgct ggacccacaca cagcagaagg agcttggag tggcaatgaa 1320
57 atgcgttcaaca gt
59 <210> SEQ ID NO: 2
60 <211> LENGTH: 286
61 <212> TYPE: PRT
62 <213> ORGANISM: Mus musculus

ENCL

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Input Set : N:\jumbos\R-126.raw
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64 <400> SEQUENCE: 2
65 Met Thr Ala Met Leu Thr Leu Glu Thr Met Ala Ser Glu Glu Glu Tyr
66 1 5 10 15
67 Gly Pro Arg Asn Cys Val Val Cys Gly Asp Arg Ala Thr Gly Tyr His
68 20 25 30
69 Phe His Ala Leu Thr Cys Glu Gly Cys Lys Gly Phe Phe Arg Arg Thr
70 35 40 45
71 Val Ser Lys Thr Ile Gly Pro Ile Cys Pro Phe Ala Gly Arg Cys Glu
72 50 55 60
73 Val Ser Lys Ala Gln Arg Arg His Cys Pro Ala Cys Arg Leu Gln Lys
74 65 70 75 80
75 Cys Leu Asn Val Gly Met Arg Lys Asp Met Ile Leu Ser Ala Glu Ala
76 85 90 95
77 Leu Ala Leu Arg Arg Ala Arg Gln Ala Gln Arg Arg Ala Glu Lys Ala
78 100 105 110
79 Ser Leu Gln Leu Asn Gln Gln Lys Glu Leu Val Gln Ile Leu Leu
80 115 120 125
81 Gly Ala His Thr Arg His Val Gly Pro Leu Phe Asp Gln Phe Val Gln
82 130 135 140
83 Phe Lys Pro Pro Ala Tyr Leu Phe Met His His Arg Pro Phe Gln Pro
84 145 150 155 160
85 Arg Gly Pro Val Leu Pro Leu Leu Thr His Phe Ala Asp Ile Asn Thr
86 165 170 175
87 Phe Met Val Gln Gln Ile Ile Lys Phe Thr Lys Asp Leu Pro Leu Phe
88 180 185 190
89 Arg Ser Leu Thr Met Glu Asp Gln Ile Ser Leu Leu Lys Gly Ala Ala
90 195 200 205
91 Val Glu Ile Leu His Ile Ser Leu Asn Thr Thr Phe Cys Leu Gln Thr
92 210 215 220
93 Glu Asn Phe Phe Cys Gly Pro Leu Cys Tyr Lys Met Glu Asp Ala Val
94 225 230 235 240
95 His Ala Gly Phe Gln Tyr Glu Phe Leu Glu Ser Ile Leu His Phe His
96 245 250 255
97 Lys Asn Leu Lys Gly Leu His Leu Gln Glu Pro Glu Tyr Val Leu Met
98 260 265 270
99 Ala Ala Thr Ala Leu Phe Ser Pro Gly Phe Cys Met Gln Ser
100 275 280 285
103 <210> SEQ ID NO: 3
104 <211> LENGTH: 200
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Targeting vector
111 <400> SEQUENCE: 3
112 gttggaggcc agagacaaaa agcaacattt ttgttttaa tggcttcagt gctggggagc 60
113 ccgggtgtcag gctggggcagt cttggaaaga gattctgtag aggagagaga agagagtcc 120
114 atggcccaagt gctgattctc aactccccc acattcggaa gaccatgaca gctatgctaa 180
115 catagaaacc atggccatgt 200
117 <210> SEQ ID NO: 4

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/883,093

DATE: 11/16/2001
TIME: 10:10:12

Input Set : N:\jumbos\R-126.raw
Output Set: N:\CRF3\11162001\I883093.raw

118 <211> LENGTH: 200
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Targeting vector
125 <400> SEQUENCE: 4
126 ggtcccatct gtccgttgc tggagggtt gaggtcagca aggcccagag acgccactgt 60
127 ccagcctgca ggtgcagaa gtgtctaaat gttggcatga ggaaagacag tgagttggtc 120
128 cctaccgttc caggagtcca ttggtgcttc tctgctttt ttcaggttcc cacagcaggc 180
129 agagtgagct gttggaaacc 200

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/883,093

DATE: 11/16/2001
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Input Set : N:\jumbos\R-126.raw
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STATISTICS SUMMARY
PATENT APPLICATION: US/09/883,093

DATE: 11/16/2001
TIME: 10:10:13

Input Set : N:\jumbos\R-126.raw
Output Set: N:\CRF3\11162001\I883093.raw

Application Serial Number: US/09/883,093

Alpha or Numeric: Numeric

Application Class:

Application File Date: 06-14-2001

Art Unit: OIPE

Software Application: FastSeq

Total Number of Sequences: 4

Total Nucleotides: 1732

Total Amino Acids: 286

Number of Errors: 0

Number of Warnings: 0

Number of Corrections: 0

MESSAGE SUMMARY